

Vienna Instruments **Vienna Choir**

Soprano Choir (16 singers)
Alto Choir (10 singers)
Tenor Choir (10 singers)
Bass Choir (8 singers)

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Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Vienna Instruments! This document contains the mapping information for the Vienna Choir. You will find in it a comprehensive survey of the articulations/Patches content, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset.

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary. All articulations are available on the vowels “aa” (Standard) and “uu” (Extended); clusters only on “aa”. Since new recordings were made for the Soprano Choir, we also created special combination patches of the new and old samples which allow you to adapt pieces created with the original Soprano Choir more easily. We took care in all articulations to adjust loudness within velocity layers to the ensembles’ natural volume, so that lower notes will sound softer than higher ones within the same velocity level.

Here’s an overview of the articulations/Patches contained in the Vienna Choir Collection:

Short notes: Staccato on “aa”, “pa”, “ra”, “sa”, “ta” and “uu”, “pu”, “ru”, “su”, “tu”

Long notes: Sustained notes, normal and espressivo; clusters (“aa” only)

Dynamics: Crescendo and diminuendo, 2,3, and 4 sec.; sforzato

Interval performances: Legato normal and espressivo; trills normal and espressivo; glissandos; clusters (“aa” only)

Extras: “Full Choir” patch combinations; “doubled” Soprano Choir (old and new samples); “creepy” female and male articulations; and breathing noises for all ensembles.

The velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to the instrument’s requirements. The Patch information also lists the velocity layers in detail.

Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations like glissandos and clusters.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But naturally, it’s mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note. To circumvent this, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix’ Patches.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes 101–112 instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes.

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

100 Vienna Choir

Patches

01 Sopran (16)

Level 1: Articulations on "aa"

Staccatos "aa", "pa", "ra", "sa", "ta"
 Sustained, normal and espressivo
 Clusters, sustained
 Crescendo and diminuendo, 2, 3, and 4 sec.
 Sforzato
 Legato performances, normal and espressivo
 Trill performances, normal and espressivo
 Glissando performances
 Cluster performances

Level 2: Articulations on "uu"

Staccatos "uu", "pu", "ru", "su", "tu"
 Sustained, normal and espressivo
 Crescendo and diminuendo, 2, 3, and 4 sec.
 Sforzato
 Legato performances, normal and espressivo
 Trill performances, normal and espressivo
 Glissando performances

01 ARTICULATIONS -AA-

Range: A#3–C6

Level 1

01 V-Sopran16_stac AA

Samples: 300 RAM: 18 MB

Staccato on "aa"
 2 velocity layers: 0–88 p; 89–127 f
 4 Alternations

02 V-Sopran16_stac PA

Range: B3–C6 Samples: 150 RAM: 9 MB

Staccato on "pa", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

03 V-Sopran16_stac RA

Range: B3–C6 Samples: 150 RAM: 9 MB

Staccato on "ra", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

04 V-Sopran16_stac SA

Samples: 150 RAM: 9 MB

Staccato on "sa", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

05 V-Sopran16_stac TA

Samples: 370 RAM: 23 MB

Staccato on "ta", 9 alternations
 2 velocity layers: 0–88 p; 89–127 f

11 V-Sopran16_sus AA

Samples: 375 RAM: 23 MB

Sustained on "aa"
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

12 V-Sopran16_sus AA_espr Samples: 375 RAM: 23 MB

Sustained on "aa", espressivo
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

13 V-Sopran16_sus-cluster AA Range: F4–A#5 Samples: 24 RAM: 1 MB

Clusters on "aa"
 1 velocity layer: 0–127 p
 Release samples
 2 Alternations

21 V-Sopran16_dyn-2s AA Samples: 100 RAM: 6 MB

Crescendo and diminuendo on "aa", 2 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

22 V-Sopran16_dyn-3s AA Samples: 100 RAM: 6 MB

Crescendo and diminuendo on "aa", 3 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

23 V-Sopran16_dyn-4s AA Samples: 100 RAM: 6 MB

Crescendo and diminuendo on "aa", 4 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

25 V-Sopran16_sfz AA Samples: 75 RAM: 4 MB

Sforzato on "aa"
 1 velocity layer
 2 Alternations

31 V-Sopran16_perf-leg AA Samples: 1239 RAM: 77 MB

Interval performances: Legato on "aa"
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

32 V-Sopran16_perf-leg AA_espr Samples: 1314 RAM: 82 MB

Interval performances: Legato on "aa", espressivo
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

33 V-Sopran16_perf-trill AA Samples: 1631 RAM: 101 MB

Interval performances: Trills on "aa", minor and major 2nd
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

34 V-Sopran16_perf-trill AA_espr Samples: 1631 RAM: 101 MB

Interval performances: Trills on "aa", minor and major 2nd, espressivo
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

35 V-Sopran16_perf-gliss AA Samples: 656 RAM: 41 MB

Interval performances: Glissandos on "aa"
 Monophonic
 2 velocity layers: 0–88 mp; 89–127 f
 Release samples

36 V-Sopran16_perf-cluster AA Range: F4–A#5 Samples: 38 RAM: 2 MB

Interval performances: Clusters on "aa"
 Monophonic
 1 velocity layer: 0–127 p
 Release samples

02 ARTICULATIONS -UU- Range: A#3–C6 Level 2**01 V-Sopran16_stac UU** Samples: 300 RAM: 18 MB

Staccato on "uu"
 2 velocity layers: 0–88 p; 89–127 f
 4 Alternations

02 V-Sopran16_stac PU Range: B3–C6 Samples: 150 RAM: 9 MB

Staccato on "pu", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

03 V-Sopran16_stac RU Range: B3–C6 Samples: 150 RAM: 9 MB

Staccato on "ru", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

04 V-Sopran16_stac SU Samples: 150 RAM: 9 MB

Staccato on "su", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

05 V-Sopran16_stac TU Range: B3–C6 Samples: 150 RAM: 9 MB

Staccato on "tu", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

11 V-Sopran16_sus UU Samples: 375 RAM: 23 MB

Sustained on "uu"
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

12 V-Sopran16_sus UU_espr Samples: 374 RAM: 23 MB

Sustained on "uu", espressivo
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

21 V-Sopran16_dyn-2s UU Samples: 100 RAM: 6 MB

Crescendo and diminuendo on "uu", 2 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

22 V-Sopran16_dyn-3s UU	Samples: 100	RAM: 6 MB
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Crescendo and diminuendo on "uu", 3 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

23 V-Sopran16_dyn-4s UU	Samples: 100	RAM: 6 MB
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Crescendo and diminuendo on "uu", 4 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

25 V-Sopran16_sfz UU	Samples: 75	RAM: 4 MB
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Sforzato on "uu"
 1 velocity layer
 2 Alternations

31 V-Sopran16_perf-leg UU	Samples: 1314	RAM: 82 MB
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Interval performances: Legato on "uu"
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

32 V-Sopran16_perf-leg UU_espr	Samples: 1238	RAM: 77 MB
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Interval performances: Legato on "uu", espressivo
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

33 V-Sopran16_perf-trill UU	Samples: 1631	RAM: 101 MB
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Interval performances: Trills on "uu", minor and major 2nd
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

34 V-Sopran16_perf-trill UU_espr	Samples: 1630	RAM: 101 MB
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Interval performances: Trills on "uu", minor and major 2nd, espressivo
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

35 V-Sopran16_perf-gliss UU	Samples: 656	RAM: 41 MB
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Interval performances: Glissandos on "uu"
 Monophonic
 2 velocity layers: 0–88 p; 89–127 f
 Release samples

02 Alt (10)**Level 1:** Articulations on "aa"

Staccatos "aa", "pa", "ra", "sa", "ta"
 Sustained, normal and espressivo
 Clusters, sustained
 Crescendo and diminuendo, 2, 3, and 4 sec.
 Sforzato
 Legato performances, normal and espressivo
 Trill performances, normal and espressivo
 Glissando performances
 Cluster performances

Level 2: Articulations on "uu"

Staccatos "uu", "pu", "ru", "su", "tu"
 Sustained, normal and espressivo
 Crescendo and diminuendo, 2, 3, and 4 sec.
 Sforzato
 Legato performances, normal and espressivo
 Trill performances, normal and espressivo
 Glissando performances

01 ARTICULATIONS -AA-

Range: E3–F#5

Level 1**01 V-Alt10_stac AA**

Samples: 304 RAM: 19 MB

Staccato on "aa"
 2 velocity layers: 0–88 p; 89–127 f
 4 Alternations

02 V-Alt10_stac PA

Samples: 150 RAM: 9 MB

Staccato on "pa", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

03 V-Alt10_stac RA

Samples: 150 RAM: 9 MB

Staccato on "ra", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

04 V-Alt10_stac SA

Samples: 150 RAM: 9 MB

Staccato on "sa", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

05 V-Alt10_stac TA

Samples: 270 RAM: 16 MB

Staccato on "ta", 9 alternations
 2 velocity layers: 0–88 p; 89–127 f

11 V-Alt10_sus AA

Samples: 390 RAM: 24 MB

Sustained on "aa"
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

12 V-Alt10_sus AA_espr

Samples: 390 RAM: 24 MB

Sustained on "aa", espressivo
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

13 V-Alt10_sus-cluster AA Range: A#3–C5 Samples: 21 RAM: 1 MB

Clusters on "aa"
1 velocity layer: 0–127 p
Release samples
2 Alternations

21 V-Alt10_dyn-2s AA Samples: 104 RAM: 6 MB

Crescendo and diminuendo on "aa", 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

22 V-Alt10_dyn-3s AA Samples: 104 RAM: 6 MB

Crescendo and diminuendo on "aa", 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

23 V-Alt10_dyn-4s AA Samples: 104 RAM: 6 MB

Crescendo and diminuendo on "aa", 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

25 V-Alt10_sfz AA Range: F3–F#5 Samples: 78 RAM: 4 MB

Sforzato on "aa"
1 velocity layer
2 Alternations

31 V-Alt10_perf-leg AA Samples: 1302 RAM: 81 MB

Interval performances: Legato on "aa"
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

32 V-Alt10_perf-leg AA_espr Samples: 1302 RAM: 81 MB

Interval performances: Legato on "aa", espressivo
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

33 V-Alt10_perf-trill AA Samples: 1710 RAM: 106 MB

Interval performances: Trills on "aa", minor and major 2nd
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

34 V-Alt10_perf-trill AA_espr Samples: 1710 RAM: 106 MB

Interval performances: Trills on "aa", minor and major 2nd, espressivo
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

35 V-Alt10_perf-gliss AA Range: E3–F5 Samples: 660 RAM: 41 MB

Interval performances: Glissandos on "aa"
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

36 V-Alt10_perf-cluster AA Range: A#3–C5 Samples: 34 RAM: 2 MB

Interval performances: Clusters on "aa"
Monophonic
1 velocity layer: 0–127 p
Release samples

02 ARTICULATIONS -UU- Range: E3–F#5 Level 2

01 V-Alt10_stac UU Samples: 312 RAM: 19 MB

Staccato on "uu"
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

02 V-Alt10_stac PU Samples: 150 RAM: 9 MB

Staccato on "pu", 5 alternations
2 velocity layers: 0–88 p; 89–127 f

03 V-Alt10_stac RU Samples: 150 RAM: 9 MB

Staccato on "ru", 5 alternations
2 velocity layers: 0–88 p; 89–127 f

04 V-Alt10_stac SU Samples: 150 RAM: 9 MB

Staccato on "su", 5 alternations
2 velocity layers: 0–88 p; 89–127 f

05 V-Alt10_stac TU Samples: 150 RAM: 9 MB

Staccato on "tu", 5 alternations
2 velocity layers: 0–88 p; 89–127 f

11 V-Alt10_sus UU Samples: 350 RAM: 21 MB

Sustained on "uu"
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples
2 Alternations

12 V-Alt10_sus UU_espr Samples: 376 RAM: 23 MB

Sustained on "uu", espressivo
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples
2 Alternations

21 V-Alt10_dyn-2s UU Samples: 104 RAM: 6 MB

Crescendo and diminuendo on "uu", 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

22 V-Alt10_dyn-3s UU Samples: 104 RAM: 6 MB

Crescendo and diminuendo on "uu", 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

23 V-Alt10_dyn-4s UU Samples: 104 RAM: 6 MB

Crescendo and diminuendo on "uu", 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

25 V-Alt10_sfz UU	Samples: 78	RAM: 4 MB
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Sforzato on "uu"
1 velocity layer
2 Alternations

31 V-Alt10_perf-leg UU	Samples: 1262	RAM: 78 MB
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Interval performances: Legato on "uu"
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

32 V-Alt10_perf-leg UU_espr	Samples: 1288	RAM: 80 MB
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Interval performances: Legato on "uu", espressivo
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

33 V-Alt10_perf-trill UU	Samples: 1696	RAM: 106 MB
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Interval performances: Trills on "uu", minor and major 2nd
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

34 V-Alt10_perf-trill UU_espr	Samples: 3139	RAM: 196 MB
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Interval performances: Trills on "uu", minor and major 2nd, espressivo
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

35 V-Alt10_perf-gliss UU	Range: E3–F5	Samples: 660	RAM: 41 MB
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Interval performances: Glissandos on "uu"
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 Tenor (10)**Level 1:** Articulations on "aa"

Staccatos "aa", "pa", "ra", "sa", "ta"
 Sustained, normal and espressivo
 Clusters, sustained
 Crescendo and diminuendo, 2, 3, and 4 sec.
 Sforzato
 Legato performances, normal and espressivo
 Trill performances, normal and espressivo
 Glissando performances
 Cluster performances

Level 2: Articulations on "uu"

Staccatos "uu", "pu", "ru", "su", "tu"
 Sustained, normal and espressivo
 Crescendo and diminuendo, 2, 3, and 4 sec.
 Sforzato
 Legato performances, normal and espressivo
 Trill performances, normal and espressivo
 Glissando performances

01 ARTICULATIONS -AA-

Range: B2–C5

Level 1**01 V-Tenor10_stac AA**

Samples: 300 RAM: 18 MB

Staccato on "aa"
 2 velocity layers: 0–88 p; 89–127 f
 4 Alternations

02 V-Tenor10_stac PA

Samples: 150 RAM: 9 MB

Staccato on "pa", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

03 V-Tenor10_stac RA

Samples: 150 RAM: 9 MB

Staccato on "ra", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

04 V-Tenor10_stac SA

Samples: 150 RAM: 9 MB

Staccato on "sa", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

05 V-Tenor10_stac TA

Samples: 270 RAM: 16 MB

Staccato on "ta", 9 alternations
 2 velocity layers: 0–88 p; 89–127 f

11 V-Tenor10_sus AA

Samples: 375 RAM: 23 MB

Sustained on "aa"
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

12 V-Tenor10_sus AA_espr

Samples: 375 RAM: 23 MB

Sustained on "aa", espressivo
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

13 V-Tenor10_sus-cluster AA	Range: F3–G#4	Samples: 21	RAM: 1 MB
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Clusters on "aa"
 1 velocity layer: 0–127 p
 Release samples
 2 Alternations

21 V-Tenor10_dyn-2s AA	Samples: 100	RAM: 6 MB
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Crescendo and diminuendo on "aa", 2 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

22 V-Tenor10_dyn-3s AA	Samples: 100	RAM: 6 MB
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Crescendo and diminuendo on "aa", 3 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

23 V-Tenor10_dyn-4s AA	Samples: 100	RAM: 6 MB
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Crescendo and diminuendo on "aa", 4 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

25 V-Tenor10_sfz AA	Samples: 75	RAM: 4 MB
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Sforzato on "aa"
 1 velocity layer
 2 Alternations

31 V-Tenor10_perf-leg AA	Samples: 1239	RAM: 77 MB
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Interval performances: Legato on "aa"
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

32 V-Tenor10_perf-leg AA_espr	Samples: 1239	RAM: 77 MB
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Interval performances: Legato on "aa", espressivo
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

33 V-Tenor10_perf-trill AA	Samples: 1631	RAM: 101 MB
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Interval performances: Trills on "aa", minor and major 2nd
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

34 V-Tenor10_perf-trill AA_espr	Samples: 1631	RAM: 101 MB
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Interval performances: Trills on "aa", minor and major 2nd, espressivo
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

35 V-Tenor10_perf-gliss AA	Range: A#2–C5	Samples: 656	RAM: 41 MB
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Interval performances: Glissandos on "aa"
 Monophonic
 2 velocity layers: 0–88 p; 89–127 f
 Release samples

36 V-Tenor10_perf-cluster AA	Range: F3–A4	Samples: 34	RAM: 2 MB
Interval performances: Clusters on "aa"			
Monophonic			
1 velocity layer: 0–127 p			
Release samples			

02 ARTICULATIONS -UU-	Range: B2–C5	Level 2
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01 V-Tenor10_stac UU	Samples: 300	RAM: 18 MB
Staccato on "uu"		
2 velocity layers: 0–88 p; 89–127 f		
4 Alternations		

02 V-Tenor10_stac PU	Samples: 150	RAM: 9 MB
Staccato on "pu", 5 alternations		
2 velocity layers: 0–88 p; 89–127 f		

03 V-Tenor10_stac RU	Samples: 150	RAM: 9 MB
Staccato on "ru", 5 alternations		
2 velocity layers: 0–88 p; 89–127 f		

04 V-Tenor10_stac SU	Samples: 150	RAM: 9 MB
Staccato on "su", 5 alternations		
2 velocity layers: 0–88 p; 89–127 f		

05 V-Tenor10_stac TU	Samples: 150	RAM: 9 MB
Staccato on "tu", 5 alternations		
2 velocity layers: 0–88 p; 89–127 f		

11 V-Tenor10_sus UU	Samples: 375	RAM: 23 MB
Sustained on "uu"		
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f		
Release samples		
2 Alternations		

12 V-Tenor10_sus UU espr	Samples: 375	RAM: 23 MB
Sustained on "uu", espressivo		
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f		
Release samples		
2 Alternations		

21 V-Tenor10_dyn-2s UU	Samples: 100	RAM: 6 MB
Crescendo and diminuendo on "uu", 2 sec.		
1 velocity layer		
AB switch: crescendo/diminuendo		

22 V-Tenor10_dyn-3s UU	Samples: 100	RAM: 6 MB
Crescendo and diminuendo on "uu", 3 sec.		
1 velocity layer		
AB switch: crescendo/diminuendo		

23 V-Tenor10_dyn-4s UU	Samples: 100	RAM: 6 MB
Crescendo and diminuendo on "uu", 4 sec.		
1 velocity layer		
AB switch: crescendo/diminuendo		

25 V-Tenor10_sfz UU	Samples: 75	RAM: 4 MB
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Sforzato on "uu"

1 velocity layer

2 Alternations

31 V-Tenor10_perf-leg UU	Samples: 1191	RAM: 74 MB
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Interval performances: Legato on "uu"

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

32 V-Tenor10_perf-leg UU_espr	Samples: 1191	RAM: 74 MB
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Interval performances: Legato on "uu", espressivo

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

33 V-Tenor10_perf-trill UU	Samples: 1591	RAM: 99 MB
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Interval performances: Trills on "uu", minor and major 2nd

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

34 V-Tenor10_perf-trill UU_espr	Samples: 1591	RAM: 99 MB
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Interval performances: Trills on "uu", minor and major 2nd, espressivo

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

35 V-Tenor10_perf-gliss UU	Samples: 656	RAM: 41 MB
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Interval performances: Glissandos on "uu"

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

04 Bass (8)**Level 1:** Articulations on "aa"

Staccatos "aa", "pa", "ra", "sa", "ta"
 Sustained, normal and espressivo
 Clusters, sustained
 Crescendo and diminuendo, 2, 3, and 4 sec.
 Sforzato
 Legato performances, normal and espressivo
 Trill performances, normal and espressivo
 Glissando performances
 Cluster performances

Level 2: Articulations on "uu"

Staccatos "uu", "pu", "ru", "su", "tu"
 Sustained, normal and espressivo
 Crescendo and diminuendo, 2, 3, and 4 sec.
 Sforzato
 Legato performances, normal and espressivo
 Trill performances, normal and espressivo
 Glissando performances

01 ARTICULATIONS -AA-

Range: C2–E4

Level 1**01 V-Bass8_stac AA**

Samples: 348 RAM: 21 MB

Staccato on "aa"
 2 velocity layers: 0–88 p; 89–127 f
 4 Alternations

02 V-Bass8_stac PA

Samples: 170 RAM: 10 MB

Staccato on "pa", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

03 V-Bass8_stac RA

Samples: 170 RAM: 10 MB

Staccato on "ra", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

04 V-Bass8_stac SA

Samples: 170 RAM: 10 MB

Staccato on "sa", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

05 V-Bass8_stac TA

Samples: 422 RAM: 26 MB

Staccato on "ta", 9 alternations
 2 velocity layers: 0–88 p; 89–127 f

11 V-Bass8_sus AA

Samples: 435 RAM: 27 MB

Sustained on "aa"
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

12 V-Bass8_sus AA_espr

Samples: 435 RAM: 27 MB

Sustained on "aa", espressivo
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

13 V-Bass8_sus-cluster AA	Range: C2–G#3	Samples: 33	RAM: 2 MB
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Clusters on "aa"
 1 velocity layer: 0–127 p
 Release samples
 2 Alternations

21 V-Bass8_dyn-2s AA	Samples: 116	RAM: 7 MB
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Crescendo and diminuendo on "aa", 2 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

22 V-Bass8_dyn-3s AA	Samples: 116	RAM: 7 MB
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Crescendo and diminuendo on "aa", 3 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

23 V-Bass8_dyn-4s AA	Samples: 116	RAM: 7 MB
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Crescendo and diminuendo on "aa", 4 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

25 V-Bass8_sfz AA	Samples: 87	RAM: 5 MB
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Sforzato on "aa"
 1 velocity layer
 2 Alternations

31 V-Bass8_perf-leg AA	Samples: 1491	RAM: 93 MB
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Interval performances: Legato on "aa"
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

32 V-Bass8_perf-leg AA_espr	Samples: 1491	RAM: 93 MB
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Interval performances: Legato on "aa", espressivo
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

33 V-Bass8_perf-trill AA	Samples: 1947	RAM: 121 MB
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Interval performances: Trills on "aa", minor and major 2nd
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

34 V-Bass8_perf-trill AA_espr	Samples: 1947	RAM: 121 MB
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Interval performances: Trills on "aa", minor and major 2nd, espressivo
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

35 V-Bass8_perf-gliss AA	Samples: 784	RAM: 49 MB
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Interval performances: Glissandos on "aa"
 Monophonic
 2 velocity layers: 0–88 p; 89–127 f
 Release samples

36 V-Bass8_perf-cluster AA Range: C2–G#3 Samples: 54 RAM: 3 MB

Interval performances: Clusters on "aa"
 Monophonic
 1 velocity layer: 0–127 p
 Release samples

02 ARTICULATIONS -UU- Range: C2–E4 **Level 2****01 V-Bass-8_stac UU** Samples: 348 RAM: 21 MB

Staccato on "uu"
 2 velocity layers: 0–88 p; 89–127 f
 4 Alternations

02 V-Bass8_stac PU Samples: 170 RAM: 10 MB

Staccato on "pu", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

03 V-Bass8_stac RU Samples: 170 RAM: 10 MB

Staccato on "ru", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

04 V-Bass8_stac SU Samples: 169 RAM: 10 MB

Staccato on "su", 5 alternations

05 V-Bass8_stac TU Samples: 170 RAM: 10 MB

Staccato on "tu", 5 alternations
 2 velocity layers: 0–88 p; 89–127 f

11 V-Bass8_sus UU Samples: 432 RAM: 27 MB

Sustained on "uu"
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

12 V-Bass8_sus UU_espr Samples: 430 RAM: 26 MB

Sustained on "uu", espressivo
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

21 V-Bass8_dyn-2s UU Samples: 116 RAM: 7 MB

Crescendo and diminuendo on "uu", 2 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

22 V-Bass8_dyn-3s UU Samples: 116 RAM: 7 MB

Crescendo and diminuendo on "uu", 3 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

23 V-Bass8_dyn-4s UU Samples: 116 RAM: 7 MB

Crescendo and diminuendo on "uu", 4 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

25 V-Bass8_sfz UU	Samples: 87	RAM: 5 MB
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Sforzato on "uu"
1 velocity layer
2 Alternations

31 V-Bass8_perf-leg UU	Samples: 1488	RAM: 93 MB
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Interval performances: Legato on "uu"
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

32 V-Bass8_perf-leg UU_espr	Samples: 1486	RAM: 92 MB
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Interval performances: Legato on "uu", espressivo
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

33 V-Bass8_perf-trill UU	Samples: 1944	RAM: 121 MB
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Interval performances: Trills on "uu", minor and major 2nd
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

34 V-Bass8_perf-trill UU_espr	Samples: 1942	RAM: 121 MB
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Interval performances: Trills on "uu", minor and major 2nd, espressivo
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

35 V-Bass8_perf-gliss UU	Samples: 782	RAM: 48 MB
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Interval performances: Glissandos on "uu"
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples
2 Alternations

10 Choir Extras**01 Full Choir****Level 1:** Articulations on "aa"

Staccatos "aa", "pa", "ra", "sa", "ta"

Sustained, normal and espressivo

Clusters, sustained

Crescendo and diminuendo, 2, 3, and 4 sec.

Sforzato

Level 2: Articulations on "uu"

Staccatos "uu", "pu", "ru", "su", "tu"

Sustained, normal and espressivo

Crescendo and diminuendo, 2, 3, and 4 sec.

Sforzato

01 Full Choir/01 ARTICULATIONS -AA-**Range: C2–C6****Level 1**

Bass: C2–E3; Tenor: F3–B3; Alto: C4–A4; Soprano: A#4–C6

01 V-Choir_stac AA**Samples: 588 RAM: 36 MB**

Staccato on "aa"

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

02 V-Choir_stac PA**Samples: 290 RAM: 18 MB**

Staccato on "pa", 5 alternations

2 velocity layers: 0–88 p; 89–127 f

03 V-Choir_stac RA**Samples: 290 RAM: 18 MB**

Staccato on "ra", 5 alternations

2 velocity layers: 0–88 p; 89–127 f

04 V-Choir_stac SA**Samples: 290 RAM: 18 MB**

Staccato on "sa", 5 alternations

2 velocity layers: 0–88 p; 89–127 f

05 V-Choir_stac TA**Samples: 650 RAM: 40 MB**

Staccato on "ta", 9 alternations

2 velocity layers: 0–88 p; 89–127 f

11 V-Choir_sus AA**Samples: 799 RAM: 49 MB**

Sustained on "aa"

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

2 Alternations

12 V-Choir_sus AA_espr**Samples: 799 RAM: 49 MB**

Sustained on "aa", espressivo

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

2 Alternations

13 V-Choir_sus-cluster AA	Range: C2–A#5	Samples: 75	RAM: 4 MB
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Clusters on "aa"
1 velocity layer: 0–127 p
Release samples
2 Alternations

21 V-Choir_dyn-2s AA	Samples: 200	RAM: 12 MB
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Crescendo and diminuendo on "aa", 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

22 V-Choir_dyn-3s AA	Samples: 196	RAM: 12 MB
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Crescendo and diminuendo on "aa", 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

23 V-Choir_dyn-4s AA	Samples: 196	RAM: 12 MB
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Crescendo and diminuendo on "aa", 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

25 V-Choir_sfz AA	Samples: 147	RAM: 9 MB
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Sforzato on "aa"
1 velocity layer
2 Alternations

01 Full Choir/02 ARTICULATIONS -UU-	Range: C2–C6	Level 2
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Bass: C2–E3; Tenor: F3–B3; Alto: C4–A4; Soprano: A#4–C6

01 V-Choir_stac UU	Samples: 588	RAM: 36 MB
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Staccato on "uu"
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

02 V-Choir_stac PU	Samples: 290	RAM: 18 MB
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Staccato on "pu", 5 alternations
2 velocity layers: 0–88 p; 89–127 f

03 V-Choir_stac RU	Samples: 290	RAM: 18 MB
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Staccato on "ru", 5 alternations
2 velocity layers: 0–88 p; 89–127 f

04 V-Choir_stac SU	Samples: 290	RAM: 18 MB
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Staccato on "su", 5 alternations
2 velocity layers: 0–88 p; 89–127 f

05 V-Choir_stac TU	Samples: 290	RAM: 18 MB
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Staccato on "tu", 5 alternations
2 velocity layers: 0–88 p; 89–127 f

11 V-Choir_sus UU	Samples: 842	RAM: 52 MB
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Sustained on "uu"
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples
2 Alternations

12 V-Choir_sus UU_espr Samples: 851 RAM: 53 MB

Sustained on "uu", espressivo
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

21 V-Choir_dyn-2s UU Samples: 196 RAM: 12 MB

Crescendo and diminuendo on "uu", 2 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

22 V-Choir_dyn-3s UU Samples: 196 RAM: 12 MB

Crescendo and diminuendo on "uu", 3 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

23 V-Choir_dyn-4s UU Samples: 196 RAM: 12 MB

Crescendo and diminuendo on "uu", 4 sec.
 1 velocity layer
 AB switch: crescendo/diminuendo

25 V-Choir_sfz UU Samples: 147 RAM: 9 MB

Sforzato on "uu"
 1 velocity layer
 2 Alternations

02 Sopran [16+16] Range: A#3–C6

Level 1: Sustained, "aa"
 Legato performances, "aa"
Level 2: Sustained, "uu"
 Legato performances, "uu"

01 V-Sopran32_sus AA Samples: 375 RAM: 23 MB **Level 1**

Sustained on "aa"
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

02 V-Sopran32_perf-leg AA Samples: 1239 RAM: 77 MB **Level 1**

Interval performances: Legato on "aa"
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

11 V-Sopran32_sus UU Samples: 375 RAM: 23 MB **Level 2**

Sustained on "uu"
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples
 2 Alternations

12 V-Sopran32_perf-leg UU Samples: 1239 RAM: 77 MB **Level 2**

Interval performances: Legato on "uu"
 Monophonic
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

03 Creepy**Level 1****Level 1:** "Creepy" tones, female and male**01 Female creepy-sus**

Range: E3–C5 Samples: 24 RAM: 1 MB

Sustained, "creepy" female voices

1 velocity layer: 0–127 p

Release samples

2 Alternations

02 Male creepy_sus

Range: C2–C4 Samples: 30 RAM: 1 MB

Sustained, "creepy" male voices

1 velocity layer: 0–127 p

Release samples

2 Alternations

04 Additional**Level 1****Level 1:** Soprano, Alto, Tenor, Bass
Breathing noises, nose and mouth**01 V-Sopran16_breathing**

Range: D6–A#7 Samples: 16 RAM: 1 MB

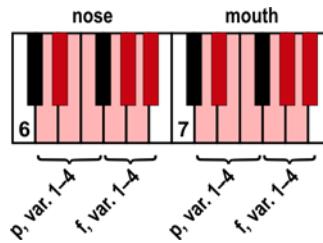
Breathing noise, p and f, 4 variations each

2 velocity layers: D–F p; G–A#: f

Mapping:

D6–F6: nose, p; G6–A#6: nose, f

D7–F7: mouth, p; G7–A#7: mouth, f

**11 V-Alt10_breathing**

Range: D6–A#7 Samples: 16 RAM: 1 MB

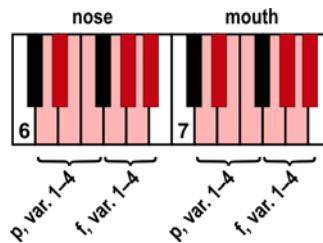
Breathing noise, p and f, 4 variations each

2 velocity layers: D–F p; G–A#: f

Mapping:

D6–F6: nose, p; G6–A#6: nose, f

D7–F7: mouth, p; G7–A#7: mouth, f



21 V-Tenor10_breathing

Range: D6–A#7 Samples: 16 RAM: 1 MB

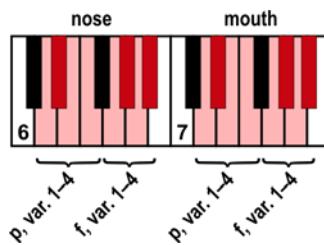
Breathing noise, p and f, 4 variations each

2 velocity layers: D–F p; G–A#: f

Mapping:

D6–F6: nose, p; G6–A#6: nose, f

D7–F7: mouth, p; G7–A#7: mouth, f

**31 V-Bass8_breathing**

Range: D6–A#7 Samples: 16 RAM: 1 MB

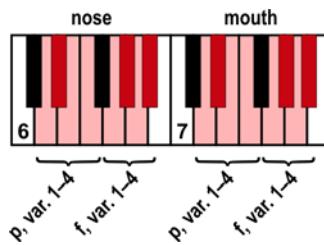
Breathing noise, p and f, 4 variations each

2 velocity layers: D–F p; G–A#: f

Mapping:

D6–F6: nose, p; G6–A#6: nose, f

D7–F7: mouth, p; G7–A#7: mouth, f

**99 RELEASE**

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix -AA-

Level 1

01 Full Choir Basic - AA

Samples: 2348 RAM: 146 MB

Basic articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Clusters

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	clusters
V2	staccato	sustained, espressivo	sforzato	cres-dim 3 sec.	clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	clusters

02 Full Choir Short Note Combis - AA

Samples: 3669 RAM: 229 MB

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

11 Sopran Basic - AA

Samples: 3075 RAM: 192 MB

Articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

Clusters and cluster performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando	clusters
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando	perf. clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando	perf. clusters

12 Sopran Short Note Combis - AA**Samples: 1861 RAM: 116 MB**

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

13 Sopran Creepy Combis - AA**Samples: 720 RAM: 45 MB**

Female "creepy" tones and combinations with glissando and cluster performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
"creepy"	single	+ glissando	+ perf. clusters

21 Alt Basic - AA**Samples: 3180 RAM: 198 MB**

Articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

Clusters and cluster performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando	clusters
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando	perf. clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando	perf. clusters

22 Alt Short Note Combis - AA**Samples: 1898 RAM: 118 MB**

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

23 Alt Creepy Combis - AA**Samples: 721 RAM: 45 MB**

Female "creepy" tones and combinations with glissando and cluster performances

The parallel Cell contains breathing noises.

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
"creepy"	single	+ glissando	+ perf. clusters

31 Tenor Basic - AA**Samples: 3071 RAM: 191 MB**

Articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

Clusters and cluster performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–G1

Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando	clusters
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando	perf. clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando	perf. clusters

32 Tenor Short Note Combis - AA**Samples: 1861 RAM: 116 MB**

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

33 Tenor Creepy Combis - AA**Samples: 723 RAM: 45 MB**

Male "creepy" tones and combinations with glissando and cluster performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
"creepy"	single	+ glissando	+ perf. clusters

41 Bass Basic - AA**Samples: 3655 RAM: 228 MB**

Articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

Clusters and cluster performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–G1

Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando	clusters
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando	perf. clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando	perf. clusters

42 Bass Short Note Combis - AA**Samples: 2137 RAM: 133 MB**

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

43 Bass Creepy Combis - AA**Samples: 863 RAM: 53 MB**

Male "creepy" tones and combinations with glissando and cluster performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
"creepy"	single	+ glissando	+ perf. clusters

Matrix -UU- (extended)**Level 2****01 Full Choir Basic - UU****Samples: 2310 RAM: 144 MB**

Basic articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.
V2	staccato	sustained, espressivo	sforzato	cres-dim 3 sec.
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.

02 Full Choir Short Note Combis - UU**Samples: 3470 RAM: 216 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

11 Sopran Basic - UU**Samples: 3036 RAM: 189 MB**

Articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando

12 Sopran Short Note Combis - UU**Samples: 1740 RAM: 108 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

13 Sopran Creepy Combis - UU**Samples: 696 RAM: 43 MB**

Female "creepy" tones, and a combination with glissando performances
 The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
"creepy"	single	+ glissando

21 Alt Basic - UU**Samples: 3114 RAM: 194 MB**

Articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando

22 Alt Short Note Combis - UU**Samples: 1746 RAM: 109 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

23 Alt Creepy Combis - UU**Samples: 700 RAM: 43 MB**

Female "creepy" tones, and a combination with glissando performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
"creepy"	single	+ glissando

31 Tenor Basic - UU**Samples: 2989 RAM: 186 MB**

Articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando

32 Tenor Short Note Combis - UU**Samples: 1741 RAM: 108 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

33 Tenor Creepy Combis - UU**Samples: 702 RAM: 43 MB**

Male "creepy" tones, and a combination with glissando performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
"creepy"	single	+ glissando

41 Bass Basic - UU**Samples: 3595 RAM: 224 MB**

Articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando

42 Bass Short Note Combis - UU**Samples: 1994 RAM: 124 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

43 Bass Creepy Combis - UU**Samples: 828 RAM: 51 MB**

Male "creepy" tones, and a combination with glissando performances

The parallel Cell contains breathing noises

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
"creepy"	single	+ glissando

Presets

Preset -AA-

Level 1

01 Full Choir - AA - Preset

Samples: 3744 RAM: 234 MB

Matrices:

- 01 Full Choir Basic - AA
- 02 Full Choir Short Note Combis - AA
- Matrix Keyswitches: A1, A#1

02 Sopran - AA - Preset

Samples: 3819 RAM: 238 MB

Matrices:

- 11 Sopran Basic - AA
- 12 Sopran Short Note Combis - AA
- 13 Sopran Creepy Combis - AA
- Matrix Keyswitches: A1–B1

03 Alt - AA - Preset

Samples: 3924 RAM: 245 MB

Matrices:

- 21 Alt Basic - AA
- 22 Alt Short Note Combis - AA
- 23 Alt Creepy Combis - AA
- Matrix Keyswitches: A1–B1

04 Tenor - AA - Preset

Samples: 3821 RAM: 238 MB

Matrices:

- 31 Tenor Basic - AA
- 32 Tenor Short Note Combis - AA
- 33 Tenor Creepy Combis - AA
- Matrix Keyswitches: A1–B1

05 Bass - AA - Preset

Samples: 4501 RAM: 281 MB

Matrices:

- 41 Bass Basic - AA
- 42 Bass Short Note Combis - AA
- 43 Bass Creepy Combis - AA
- Matrix Keyswitches: A1–B1

Preset -UU- (extended)**Level 2****11 Full Choir - UU - Preset****Samples: 3470 RAM: 216 MB**

Matrices:

- 01 Full Choir Basic - UU
- 02 Full Choir Short Note Combis - UU
- Matrix Keyswitches: A1, A#1

12 Sopran - UU - Preset**Samples: 3660 RAM: 228 MB**

Matrices:

- 11 Sopran Basic - UU
- 12 Sopran Short Note Combis - UU
- 13 Sopran Creepy Combis - UU
- Matrix Keyswitches: A1–B1

13 Alt - UU - Preset**Samples: 3738 RAM: 233 MB**

Matrices:

- 21 Alt Basic - UU
- 22 Alt Short Note Combis - UU
- 23 Alt Creepy Combis - UU
- Matrix Keyswitches: A1–B1

14 Tenor - UU - Preset**Samples: 3619 RAM: 226 MB**

Matrices:

- 31 Tenor Basic - UU
- 32 Tenor Short Note Combis - UU
- 33 Tenor Creepy Combis - UU
- Matrix Keyswitches: A1–B1

15 Bass - UU - Preset**Samples: 4304 RAM: 269 MB**

Matrices:

- 41 Bass Basic - UU
- 42 Bass Short Note Combis - UU
- 43 Bass Creepy Combis - UU
- Matrix Keyswitches: A1–B1